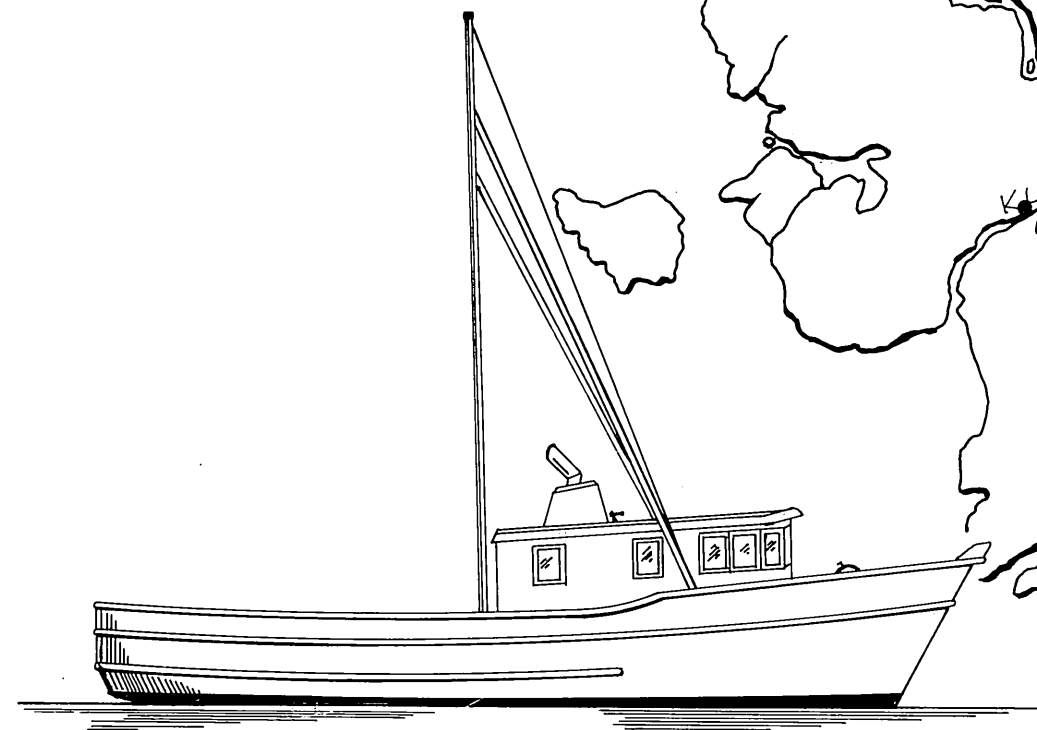


CITY (ANB) FLOAT RECONSTRUCTION

PROJECT NO. 3-78164



—WORK SUMMARY—

Major units of this project include:

- Constructing 4300 sq. ft. of timber steel floats; constructing 400 sq. ft. of 10 ft. timber float; pulling 7 timber piles; furnishing and driving 4 steel piles; driving 4 timber piles; and drilling 4 steel pile socket holes.

NOTE: Incomplete as-built done by others referring to notes of project inspector who quit shortly after project was completed leaving incomplete notes

AS BUILT

INDEX TO SHEETS

[illegible]

STATE
OF
ALASKA

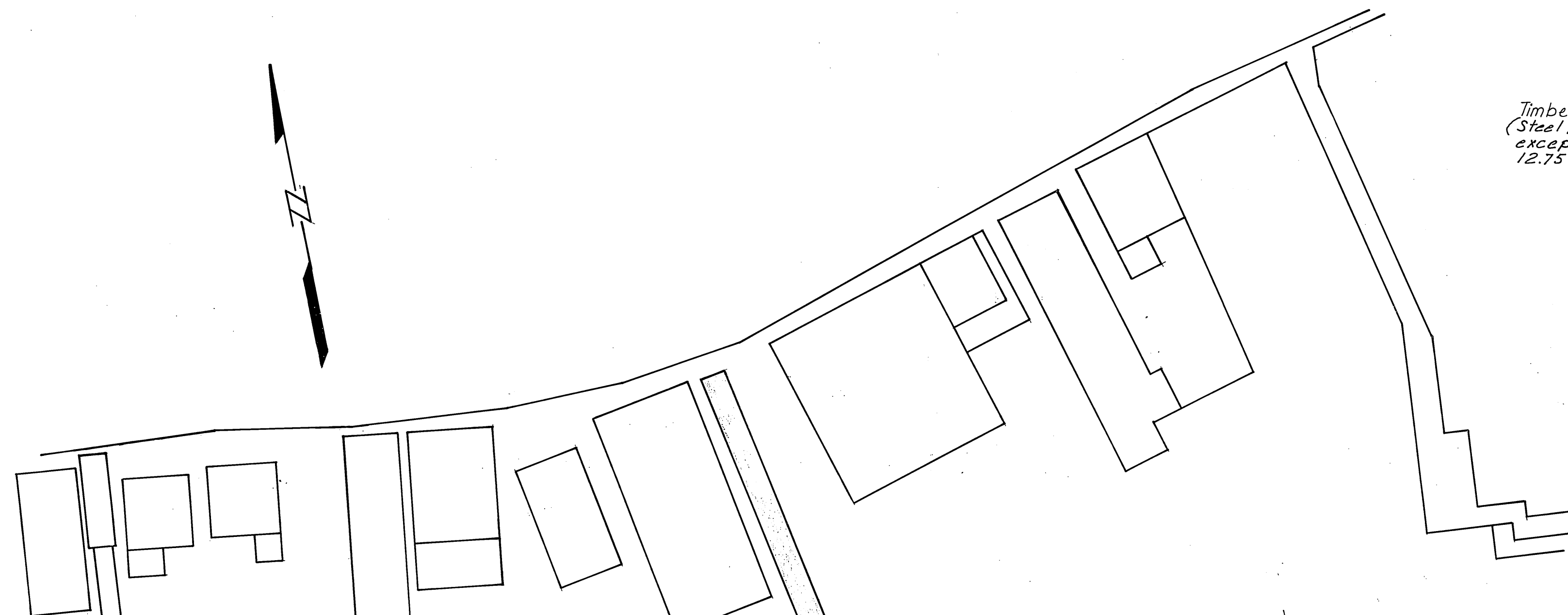
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES

DIVISION OF HARBORS

APPROVED

DATE 2/14/78

SHEET 1 OF 5



NOTE: These 8 stall floats hinged - same reason as the 2 shown on sheet 3 - see note page 3

NOTE: This stall float omitted & stored on shore - provides maneuvering room on entering. Replace existing timber pile with steel pile. The existing pile were drilled and set in drilled rock sockets. See sh. #4 for interior pile collar details.

NOTE: Original pile collars left in place as new steel collars wouldn't fit driven steel piling which went back into previously drilled sockets in rock-old crev. piling had been removed - inside (north) piling was on extreme outer edge of float & the bullrail & stringer had been cutout to accommodate the piling - 3 sided pile collar on this side of float - outside (south) original collar left in place as still functional

PROJECT LAYOUT

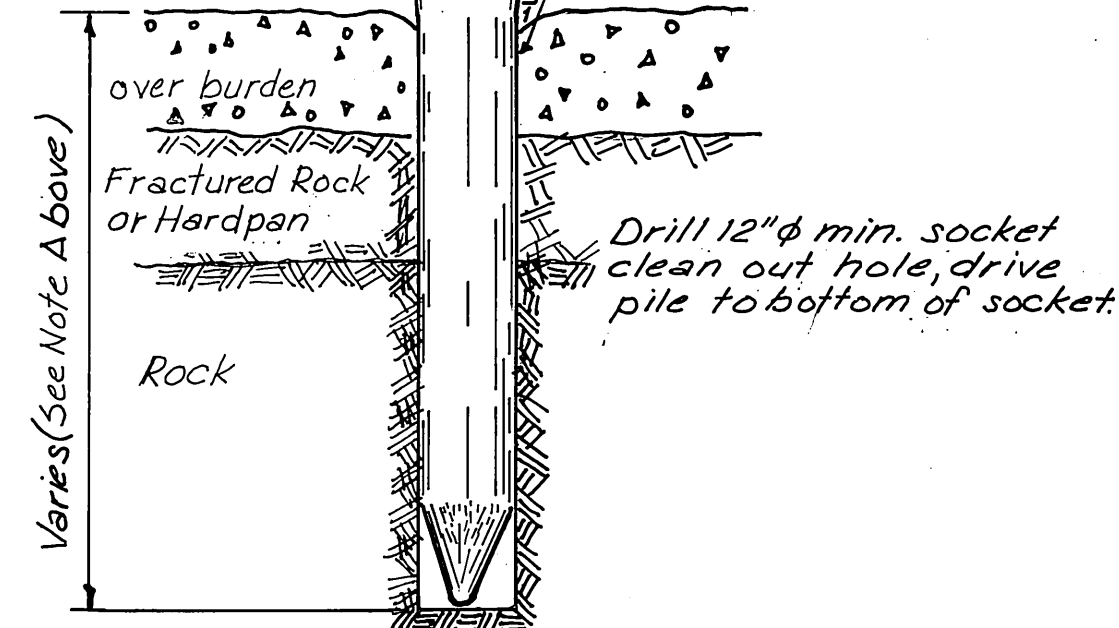
1" = 40'-0"

LEGEND

- Existing Facility
- Work to be done this Project
- Pile to be pulled
- New Steel Pile
- Wood pile existing
- New wood pile

GENERAL NOTES: Mooring pile cut-off Elevation +20' ± ft.
Breakwater steel pile cut-off Elevation +22' ± ft.

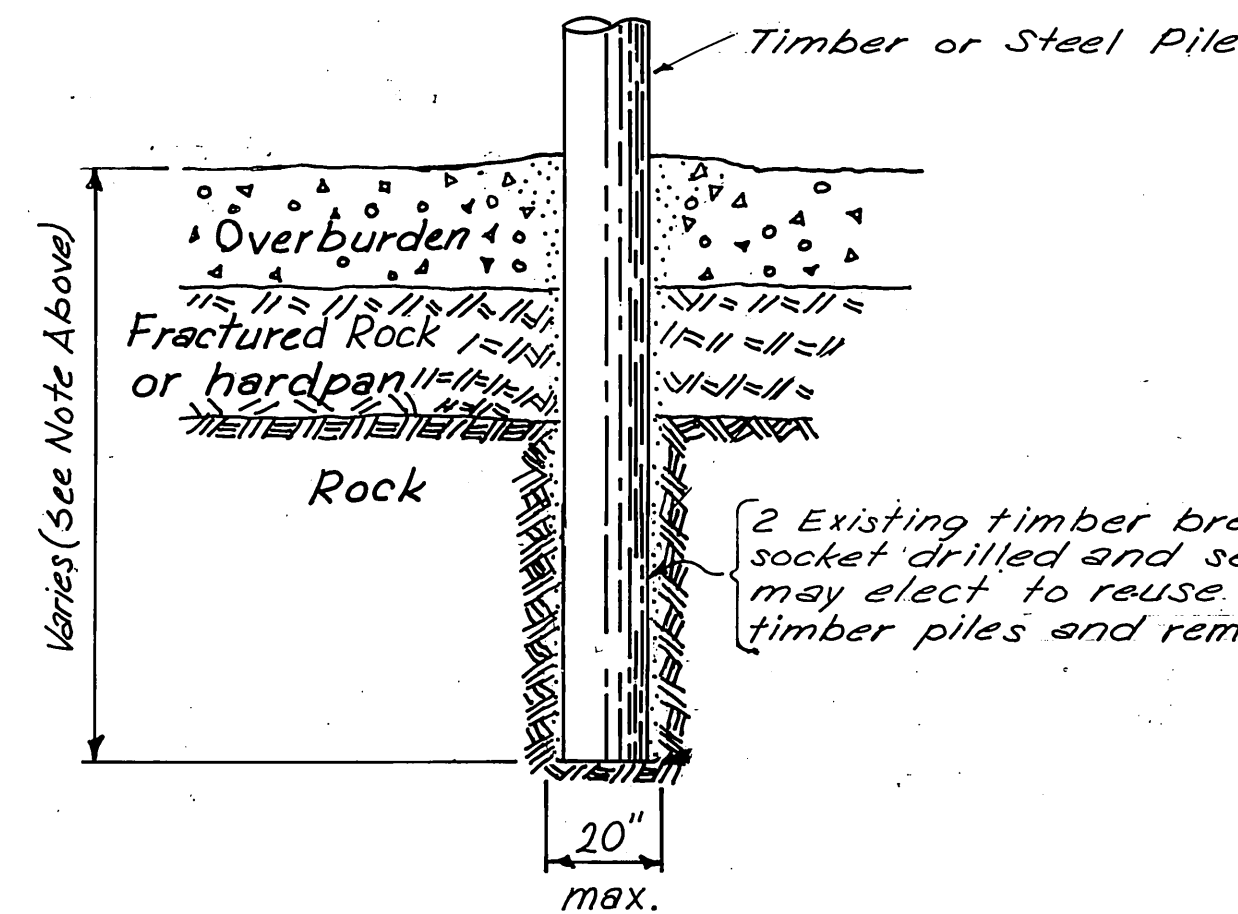
Timber Pile
(Steel pile similar except enlarge to 12.75" Ø drilled hole)



METHOD "A"

NOTE: Minimum hole depth to be 10 ft. where bottom lies above -20' MLLW and 12 ft. in depth below -20' MLLW. Engineer may lessen depth requirement if individual tests indicate sufficient uplift and lateral force restraint have been obtained at shallower penetration.

Taper back to natural pile diameter.
Turn butt of pile down to 12" dia. before treatment.

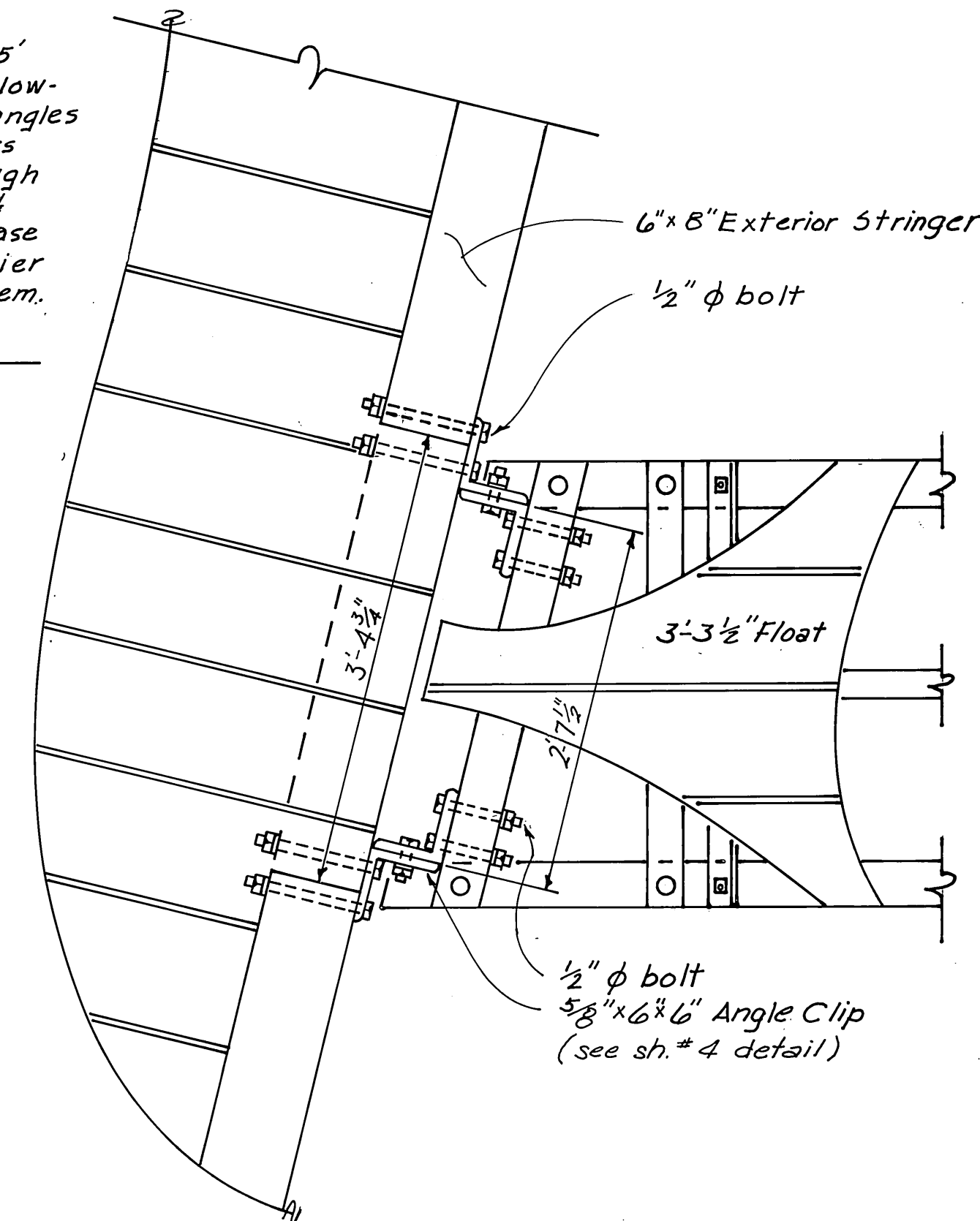


METHOD "B"

ALTERNATE PILE ROCK SOCKET DETAILS

NO SCALE

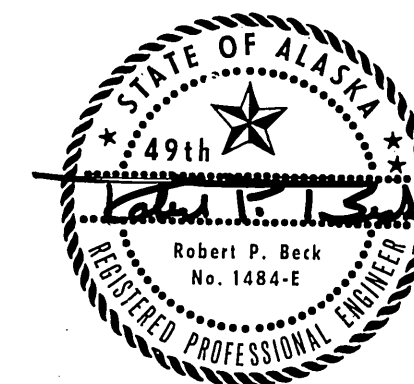
NOTE: Stall floats installed as shown by dotted lines due to error in torsion bar length - page 4 detail for 32' stall float shows 25' torsion bar - page 5 provides 21' torsion bar for 32' stall float allowing for trimming end of stall float to fit existing piling at angles shown - supplier followed page 4 plan & installed 25' torsion bars in supplier assembled 32' stall floats thus not allowing enough trimming room on ends of stalls w/o cutting torsion bars & dismantling stall floats to a large degree - decided to increase angle of floats & in direction shown instead - provides easier access into stalls though narrowing up spacing between them. No actual measurements left by project engineer.



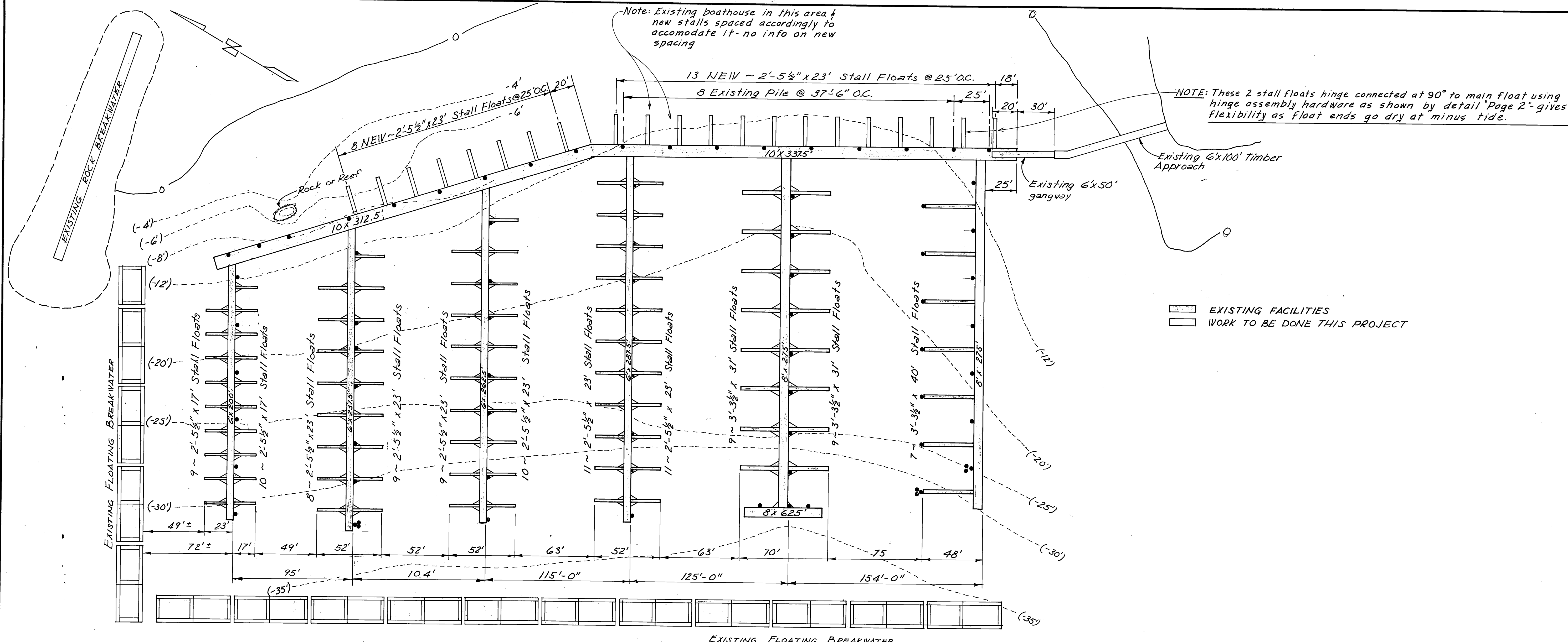
ANGLE HINGE CONNECTION

1" = 1'-0"

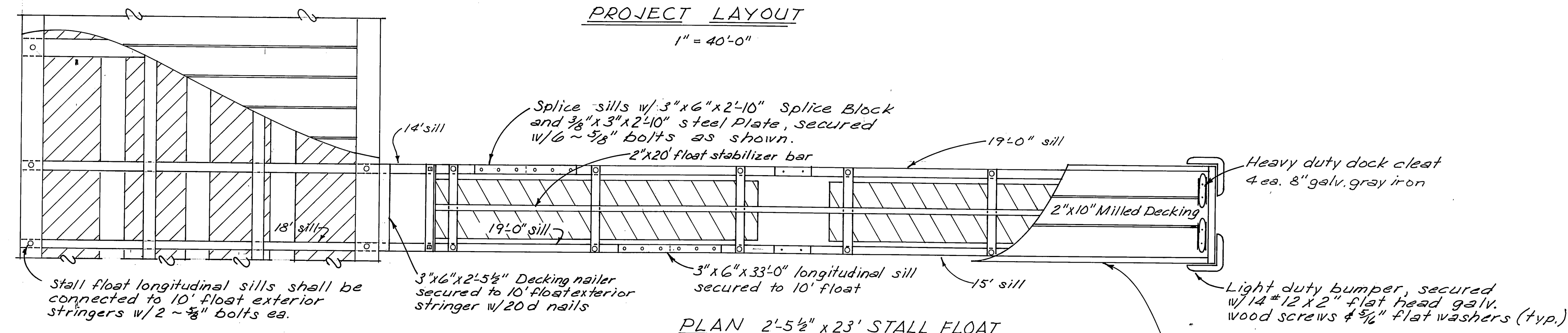
AS BUILT



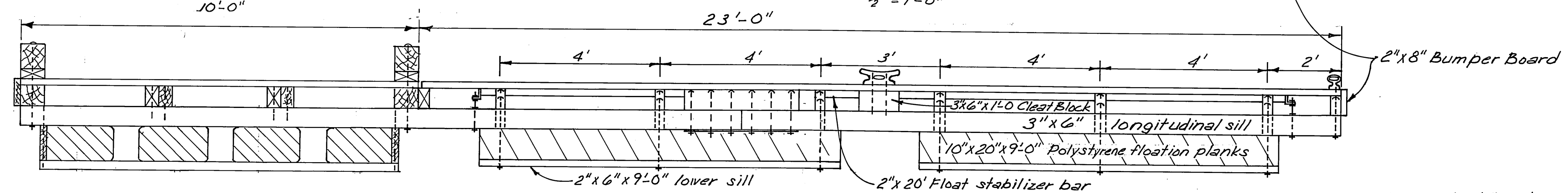
DO NOT SCALE THIS DRAWING - USE DIMENSIONS		
STATE OF ALASKA DEPARTMENT OF PUBLIC WORKS DIVISION OF WATER AND HARBORS		
SITKA CITY ANB HARBOR PROJECT LAYOUT & DETAILS		
SCALE: As Noted	SURVEYED: _____	APPROVED: _____
DESIGNED: BMH	DRAWN: GRE	Don Statter DIRECTOR
CHECKED: RPB	DATE: JAN. 1978	
PROJECT NUMBER: 3-78164	SHEET 2 OF 5	



PROJECT LAYOUT
1" = 40'-0"



PLAN 2'-5 1/2" x 23' STALL FLOAT
1/2" = 1'-0"

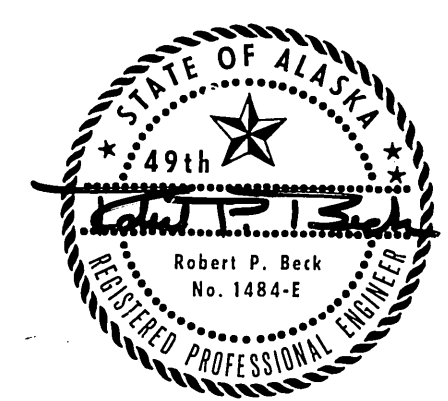


10' TYPICAL FLOAT

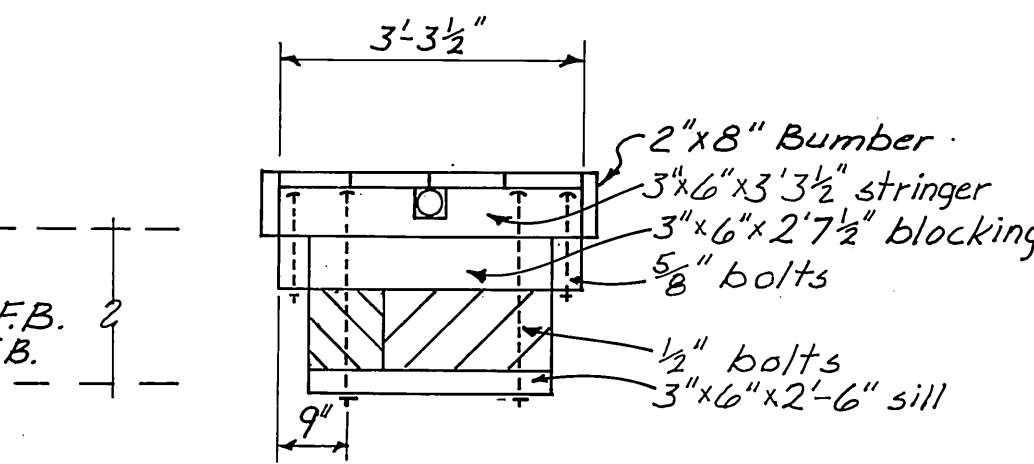
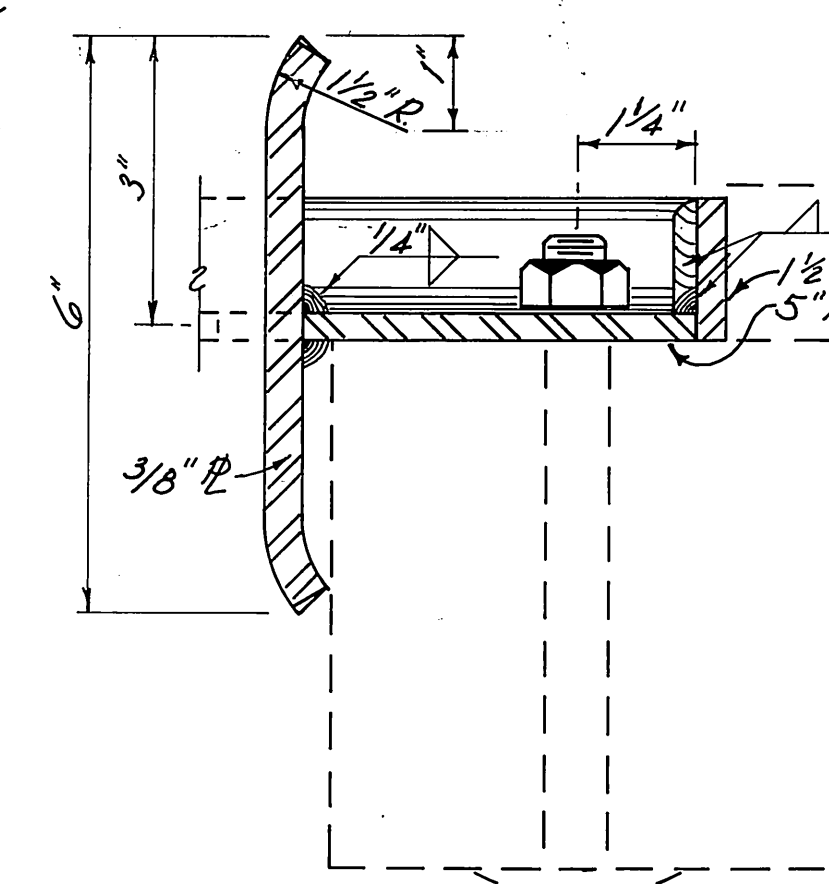
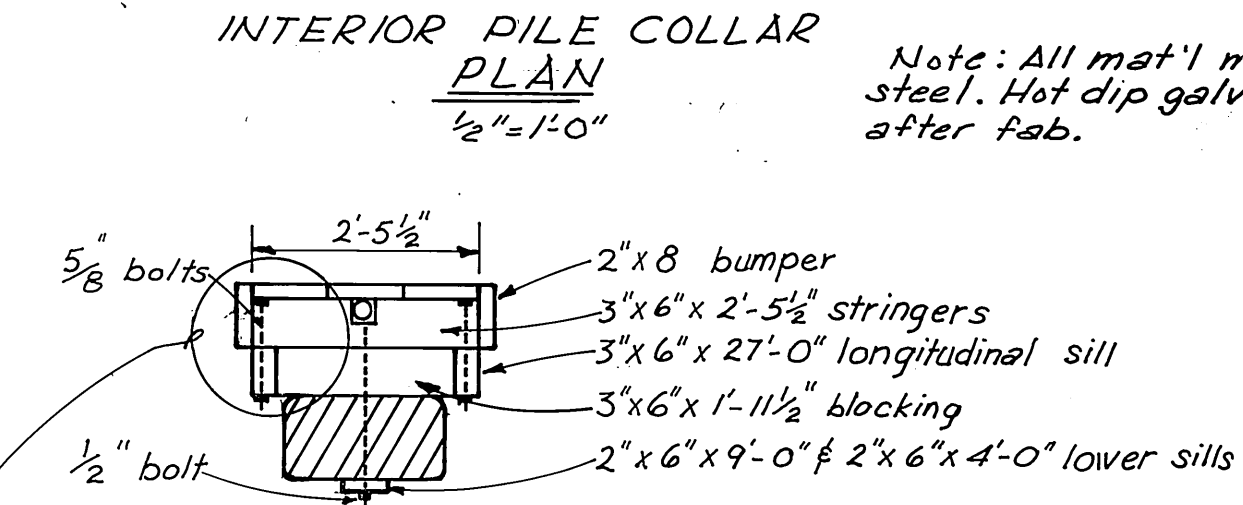
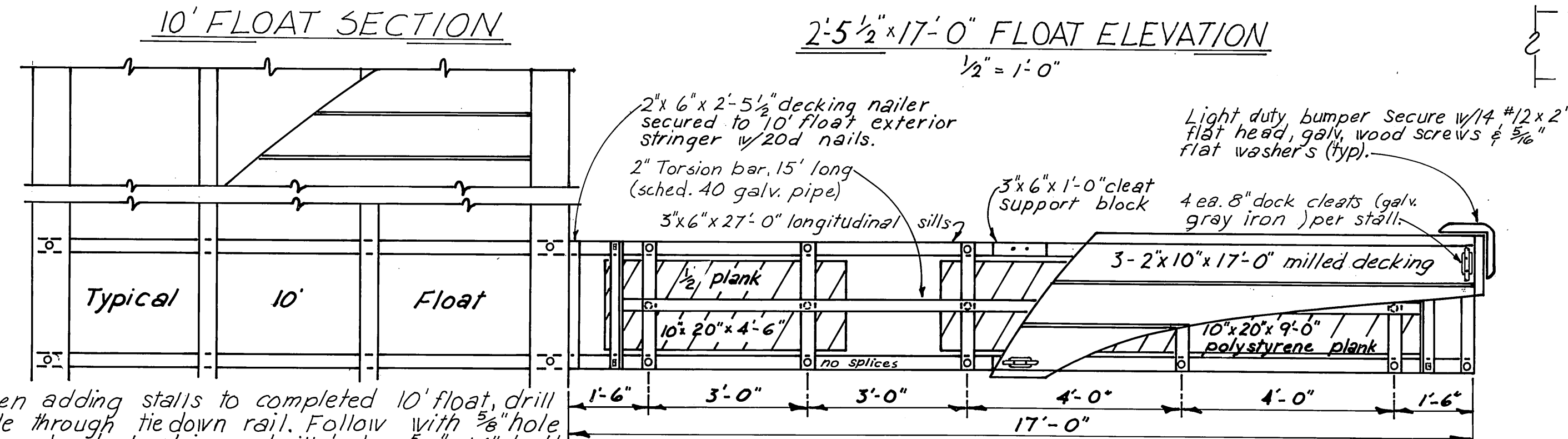
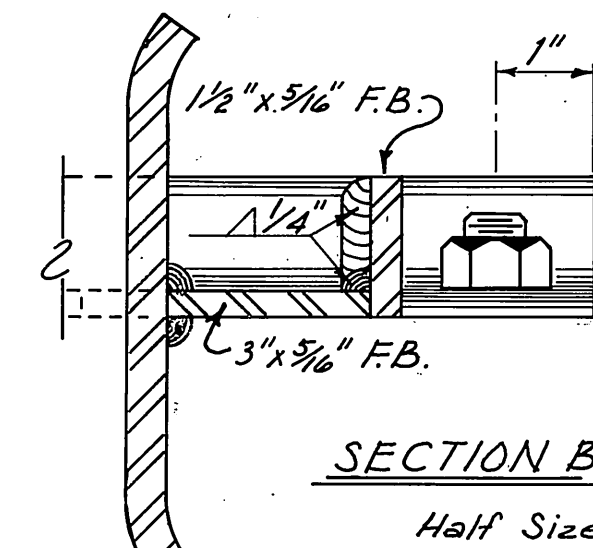
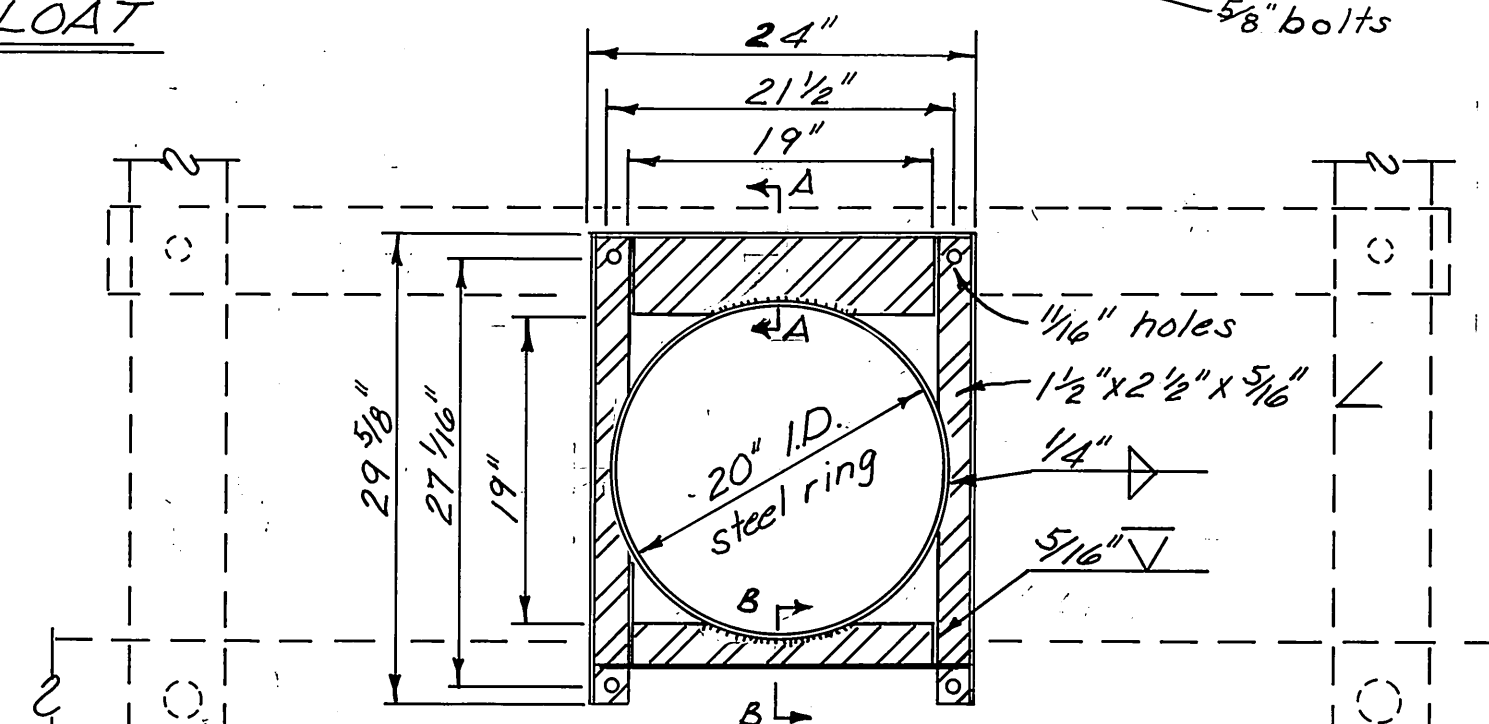
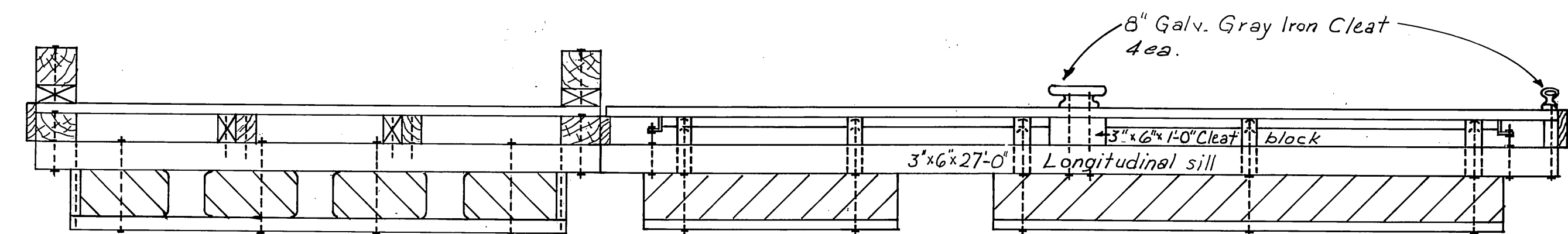
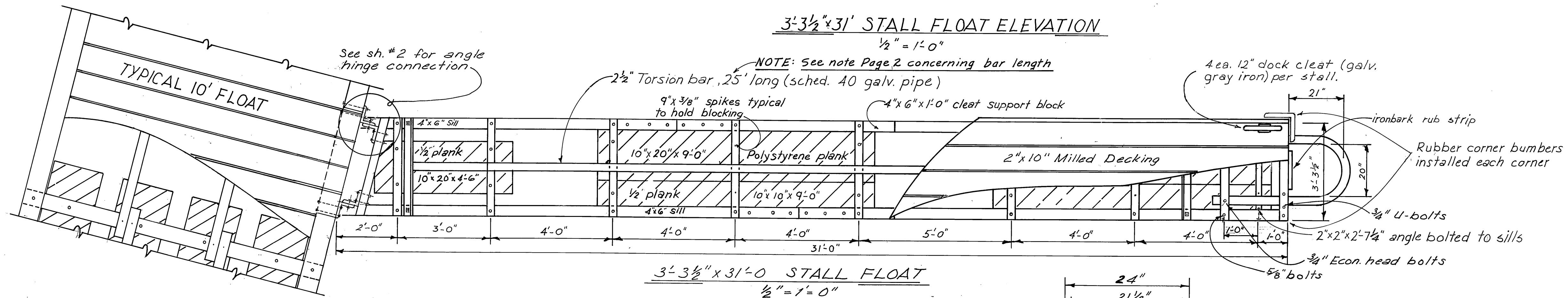
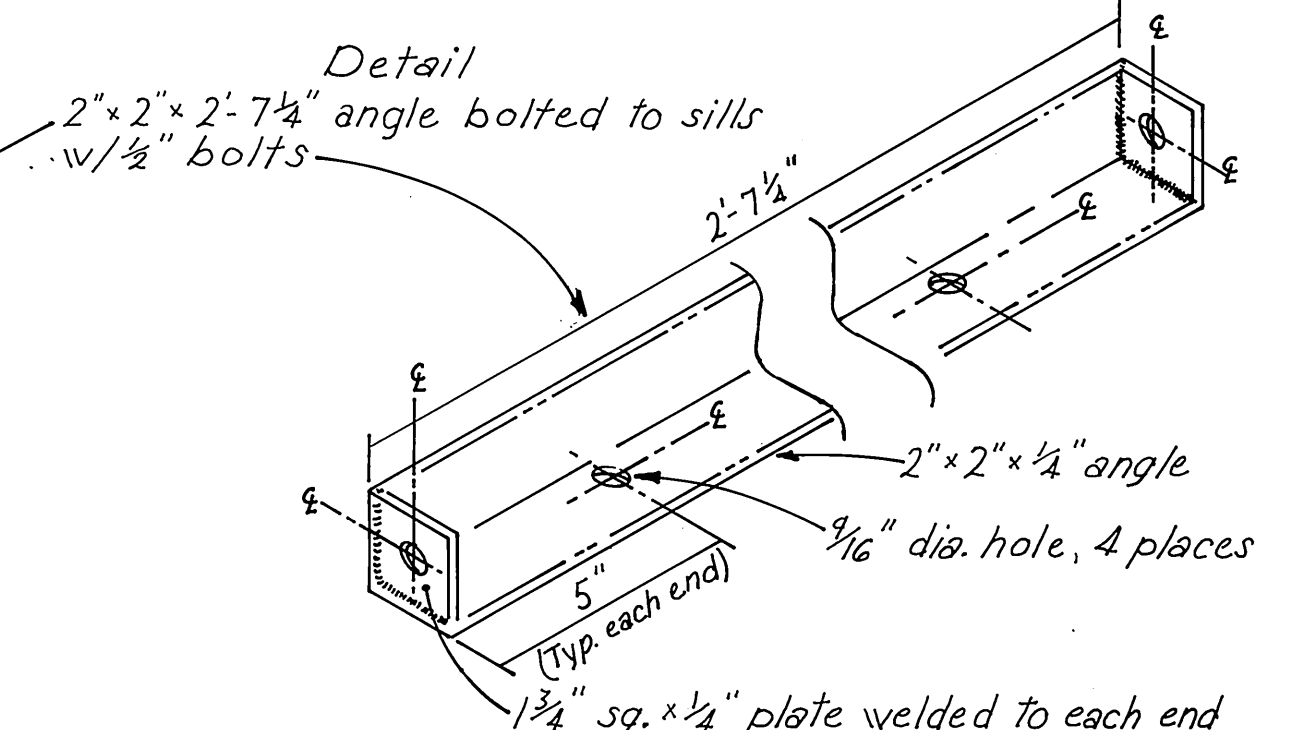
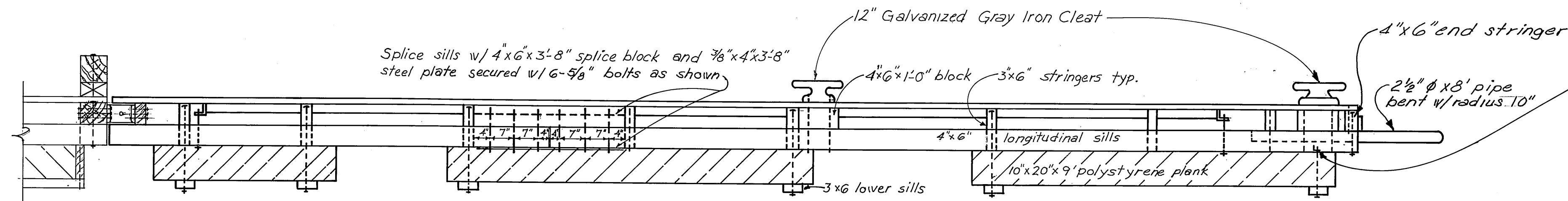
ELEVATION 2'-5 1/2" x 23' STALL FLOAT
1/2" = 1'-0"

NOTE: 2'-5 1/2" x 23' stall float section similar to 17' stall float, see sheet 4, for additional details.

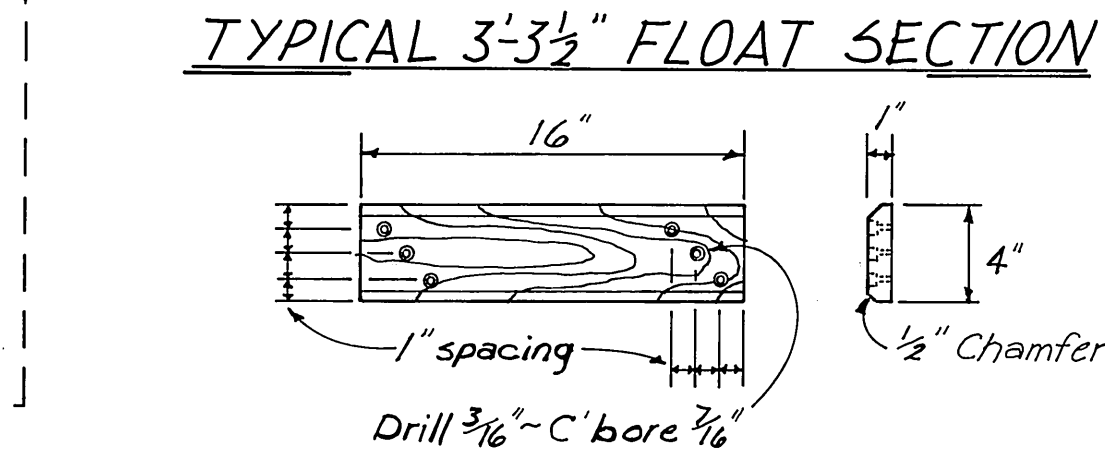
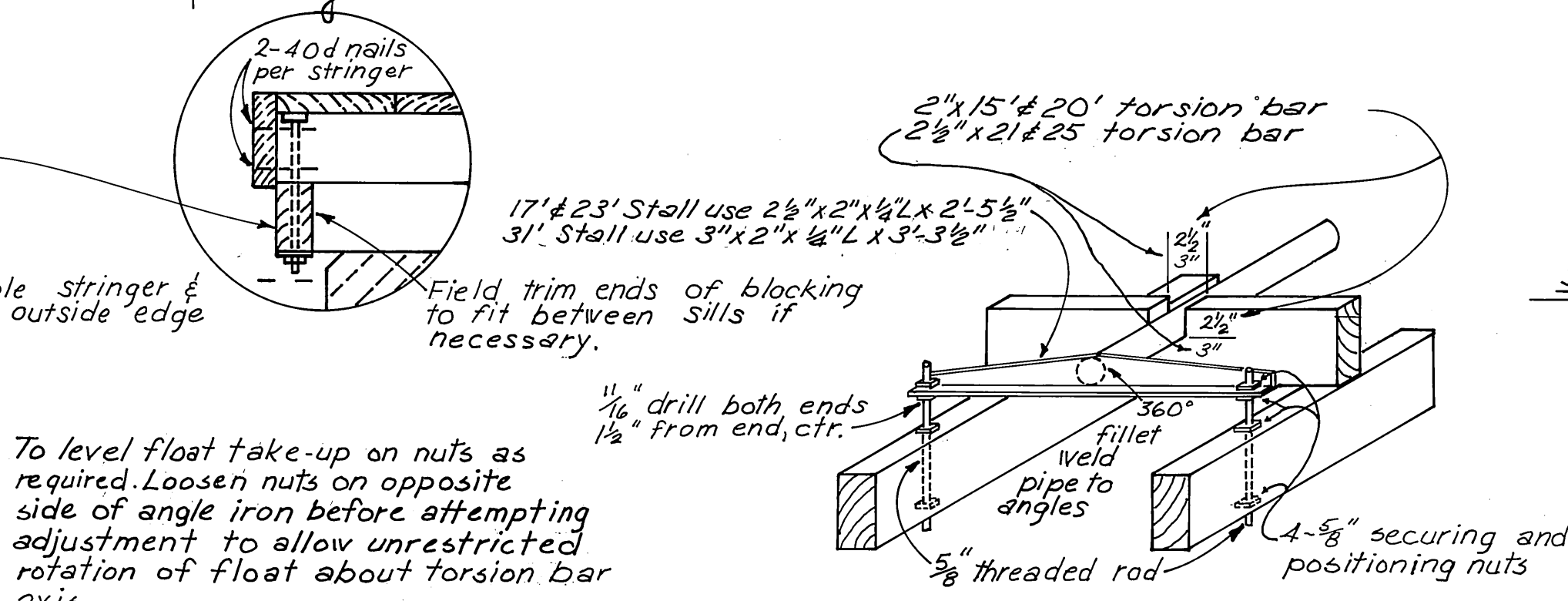
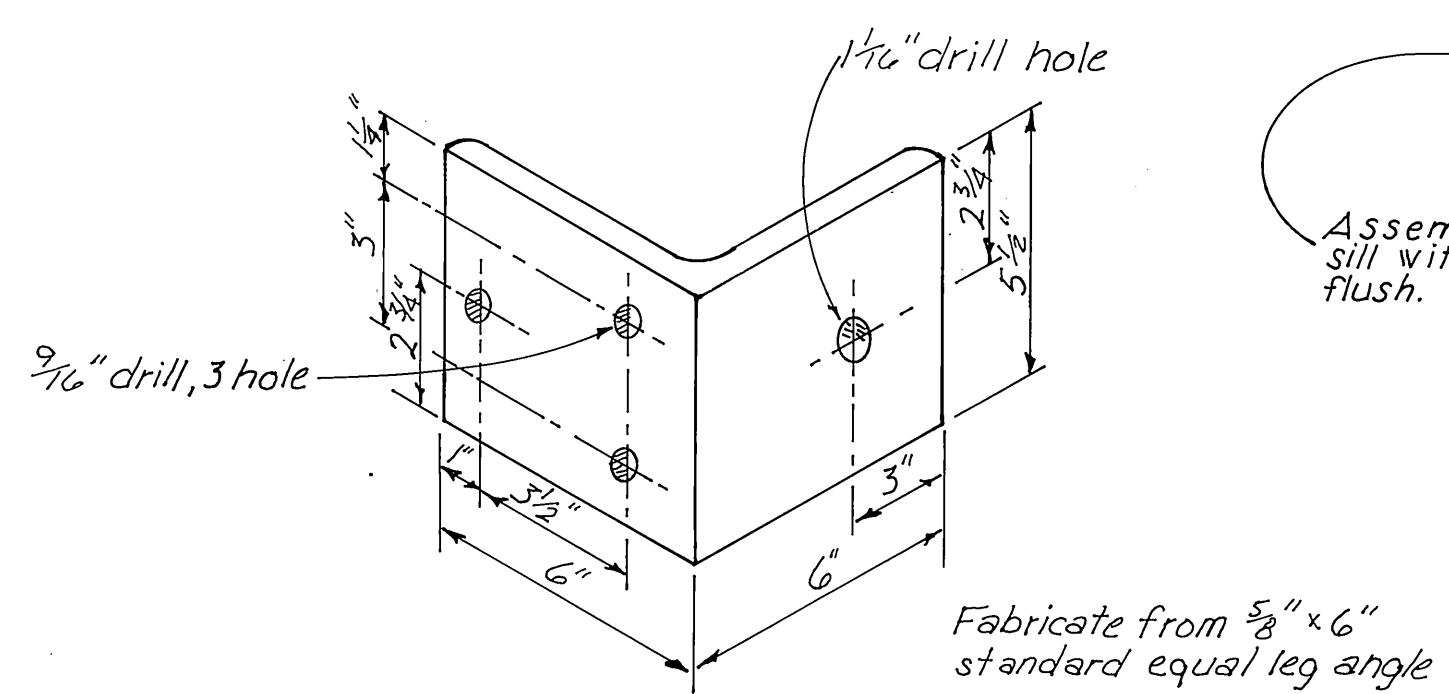
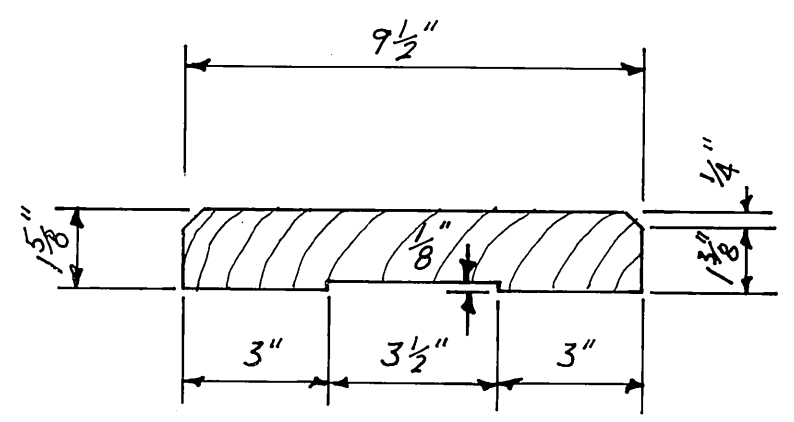
AS BUILT



DO NOT SCALE THIS DRAWING - USE DIMENSIONS		
STATE OF ALASKA DEPARTMENT OF PUBLIC WORKS DIVISION OF WATER AND HARBORS		
SITKA THOMSEN HARBOR PROJECT LAYOUT & DETAILS		
SCALE <u>As Noted</u>	SURVEYED _____	APPROVED _____
DESIGNED <u>BMH</u>	DRAWN <u>GRE</u>	<u>Don Statter</u> DIRECTOR
CHECKED <u>RPB</u>	DATE <u>JAN 1978</u>	
PROJECT NUMBER <u>3-78164</u>	SHEET <u>3</u> OF <u>5</u>	

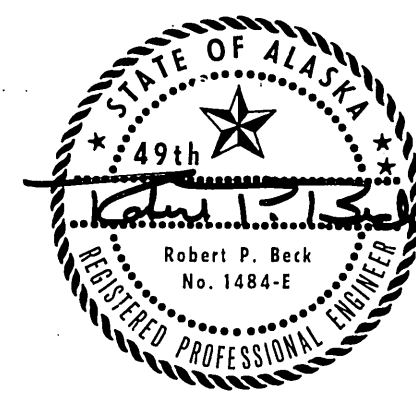


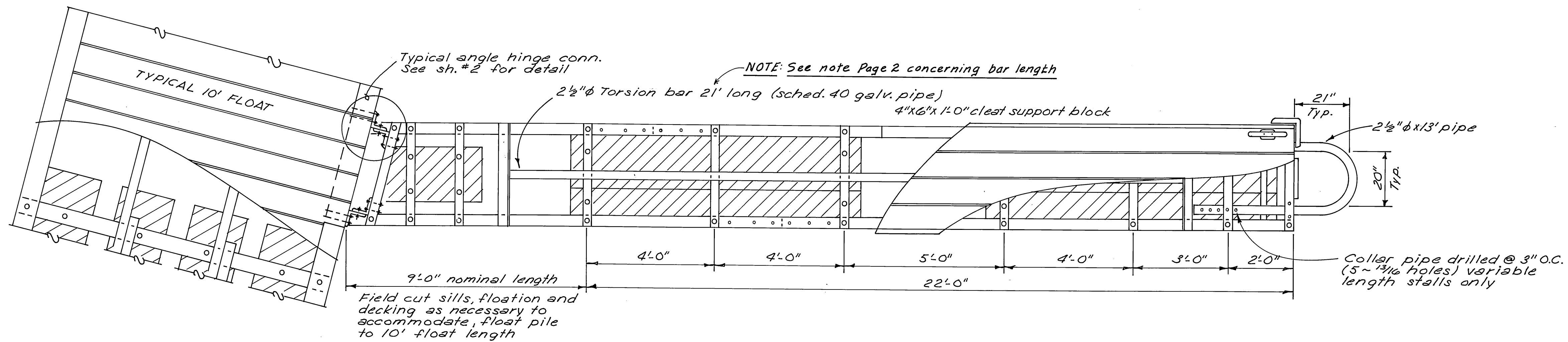
When adding stalls to completed 10' float, drill 1" hole through tie-down rail. Follow with 5/8" hole through deck, stringer & sill & place 5/8" x 14" bolt w/nuts up. When scupper blocks are encountered, drill same holes & place 5/8" x 25" bolt w/nuts down.



IRONBARK RUB STRIP
1 1/2" = 1'-0"

DO NOT SCALE THIS DRAWING - USE DIMENSIONS		
STATE OF ALASKA DEPARTMENT OF PUBLIC WORKS DIVISION OF WATER AND HARBORS		
TIMBER STALL FLOATS AS & DETAILS BUILT		
SCALE As noted	SURVEYED	APPROVED
DESIGNED BMH	DRAWN GRE	Don Stetter
CHECKED RDB	DATE JAN. 1978	DIRECTOR
PROJECT NUMBER 3-78164	SHEET 4 OF 5	

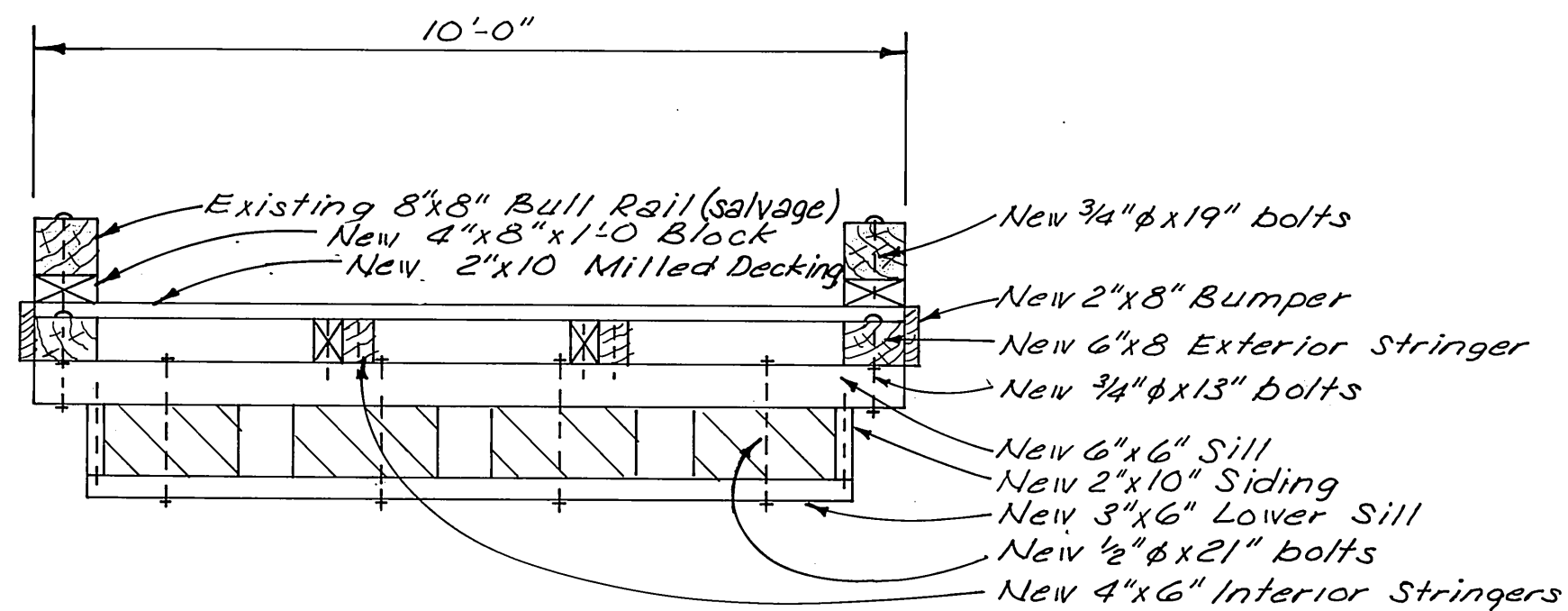




3'-3 1/2" FIELD FIT STALL FLOAT

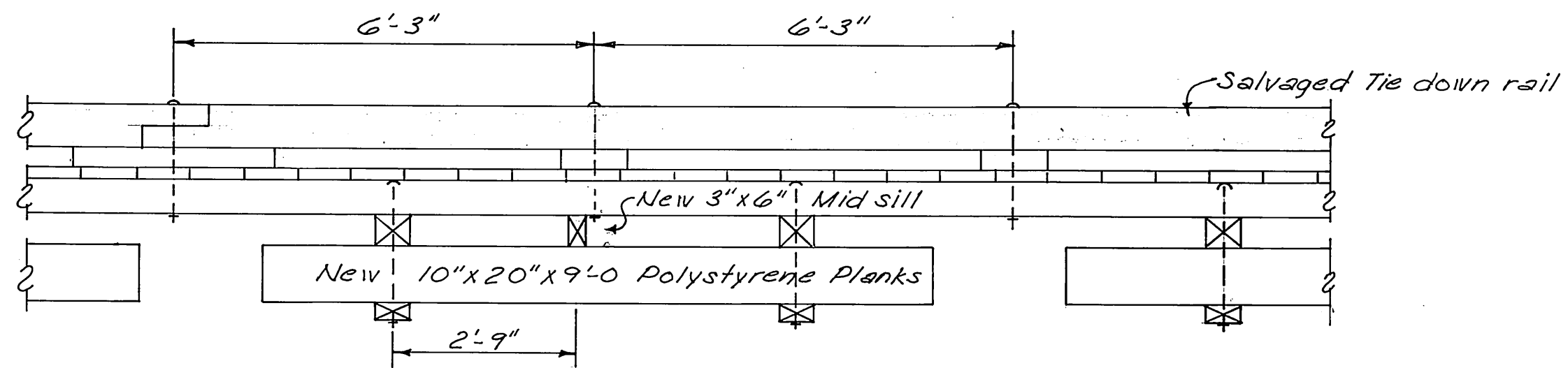
1/2" = 1'-0"

See sheet #4 for Const. details
for standard 31' long stall float



10' FLOAT SECTION

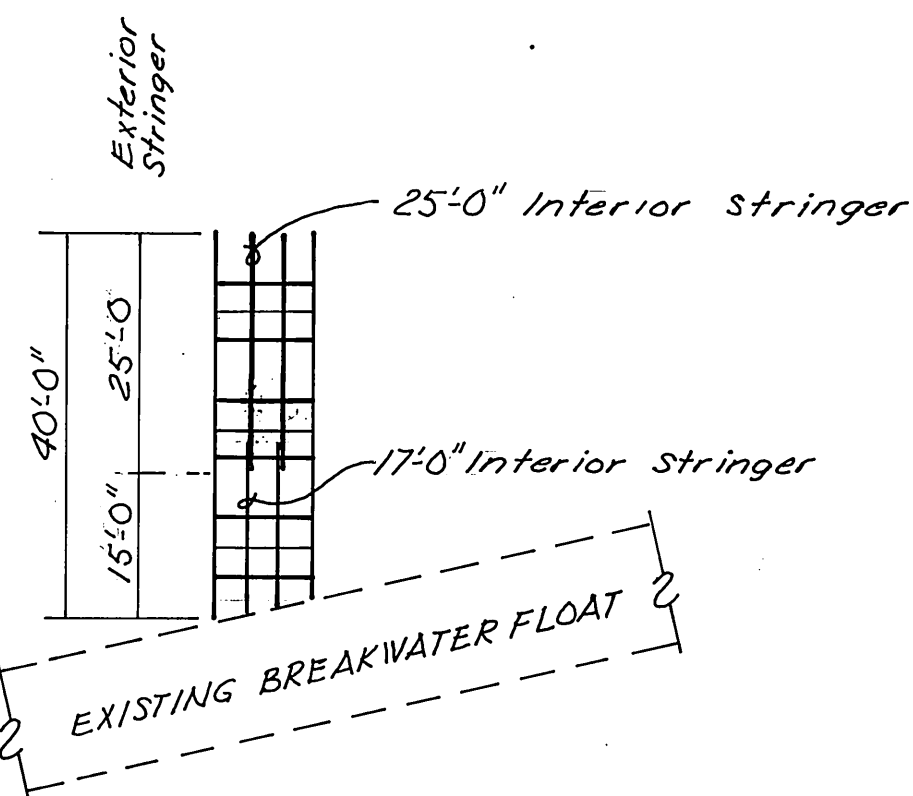
1/2" = 1'-0"



10' FLOAT ELEVATION

1/2" = 1'-0"

FINGER FLOAT #2 REHABILITATION



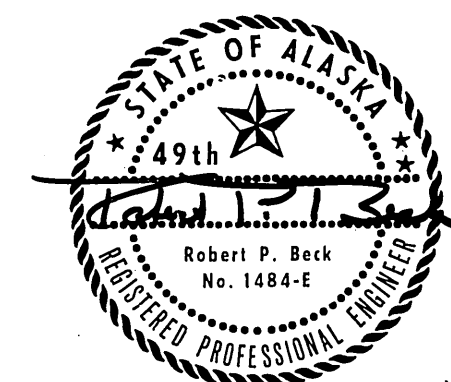
10' FLOAT STRINGER LAYOUT

1" = 20'-0"

MATERIALS		
ITEM	DRESSING	TREATMENT
4"x8"x1'-0" Blocking	S-4-S	0.4lb. Pentis (LP-3)
2"x10" Decking	Milled	" " "
2"x8" Bumpers	S-4-S	" " "
6"x8" Ext. Stringers	S-4-S	10lbs. creos. (LP-55)
6"x6" Upper Sill	S-1-E 1/8" off	" " " "
2"x10" Siding	2"x10 1/2"	" " " "
3"x6" Lower Sill	Rough	" " " "
4"x6" Int. Stringer	S-2-E	" " " "
3"x6" Mid Sill	S-1-E 1/8" off	" " " "

GENERAL NOTES:
Construct a new 10'x40' section of float, extend end stringers and dapp join to existing Finger Float. Salvage tie down rail, re-use hinge and connecting hardware.

AS BUILT



DO NOT SCALE THIS DRAWING - USE DIMENSIONS		
STATE OF ALASKA DEPARTMENT OF PUBLIC WORKS DIVISION OF WATER AND HARBORS		
SITKA CITY (ANB) HARBOR 3'-3 1/2" FIELD FIT STALL FLOATS 10' FLOAT RECONSTRUCTION		
SCALE <u>As Noted</u>	SURVEYED <u>BMH</u>	APPROVED <u>Don Statter</u> DIRECTOR
DESIGNED <u>BMH</u>	DRAWN <u>GRE</u>	
CHECKED <u>RPB</u>	DATE <u>JAN. 1978</u>	
PROJECT NUMBER <u>3-78164</u>	SHEET <u>5</u> OF <u>5</u>	